

Gloucester County



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35B Hendrickson Mill Road

35B Hendrickson Mill Road

Logan Township

Gloucester County

BLOCK: 59.05 **LOT:** 1.13

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Vacant

PROPERTY SIZE: 0.25 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Potable Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Levels Not of Concern

Soil

Volatile Organic Compounds

Delineated

FUNDING SOURCES

1986 Bond Fund

AMOUNT AUTHORIZED

\$12,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

35B Hendrickson Mill Road is a vacant home located in a residential area where private wells are used for water supply. In 1991, NJDEP was notified that an unknown quantity of #2 fuel oil had discharged from an above ground storage tank at the property. Sampling conducted at the spill area confirmed the soil was contaminated with fuel oil. NJDEP collected potable water samples from neighboring properties in 1997 for analysis of volatile organic compounds. The results of the potable well testing did not indicate the presence of any volatile organic compounds above New Jersey Drinking Water Standards. NJDEP is currently evaluating whether any remedial actions are necessary at this site.

PROJECT NAME

RI/FS

DESIGN

CONSTR

O&M

Sitewide

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☐

Planned

☒

Underway

☐

Completed

☐

Not Required

Crawford Property

848 Radix Road

Monroe Township

Gloucester County

BLOCK: 2501 **LOT:** 4

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Residential
OPERATION STATUS: Vacant

PROPERTY SIZE: 0.25 Acre

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Potable Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Levels Not of Concern

FUNDING SOURCES

1981 Bond Fund

AMOUNT AUTHORIZED

\$12,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The Crawford Property is a vacant house located in a residential area where private wells are used for potable water supply. In 1992, NJDEP was notified that an unknown quantity of fuel oil had been released from an above ground storage tank into the basement of the house. Sampling conducted close to the spill area in the basement confirmed that the soil was contaminated with fuel oil. NJDEP collected potable water samples from neighboring homes for analysis of volatile organic compounds in 1997. The results of the potable well testing did not indicate the presence of any volatile organic compounds above New Jersey Drinking Water Standards. NJDEP is currently evaluating whether any remedial actions are necessary at the site.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Sitewide					
					<input type="checkbox"/> Planned
					<input checked="" type="checkbox"/> Underway
					<input type="checkbox"/> Completed
					<input type="checkbox"/> Not Required

Franklin Burn Sites

Various Locations

Franklin Township

Gloucester County

BLOCK: Various **LOT:** Various

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Various

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Metals

STATUS

Investigating

Soil

Metals
Pesticides
Polychlorinated Biphenyls (PCBs)

Removed/Investigating

FUNDING SOURCES













Superfund

AMOUNT AUTHORIZED

\$2,965,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of seven separate parcels of land within a one square mile area. Prior to 1988, insulated wires and other electrical items were burned at these locations in order to remove the plastic coatings and recover the copper components. The burning operations generated piles of ash contaminated with hazardous substances. NJDEP referred this case to USEPA in 1989 for an Emergency Removal Action. Between 1989 and 1993, USEPA consolidated and covered the contaminated material with impermeable liners, fenced the sites to prevent trespassing, and removed 3,600 cubic yards of contaminated soil for off-site disposal. The sites were added to the National Priorities List of Superfund sites in 1996. USEPA completed a second removal action at the sites in 1997. USEPA is conducting a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination and evaluate cleanup alternatives.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
USEPA Removal Actions					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Helen Kramer Landfill

Jessup Mill Road

Mantua Township

Gloucester County

BLOCK: 6 LOT: 1

CATEGORY: Superfund
State Lead

TYPE OF FACILITY: Landfill
OPERATION STATUS: Ceased

PROPERTY SIZE: 82 Acres

SURROUNDING LAND USE: Agricultural/Residential

MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Volatile Organic Compounds Metals	Treating
Surface Water	Volatile Organic Compounds Metals	Monitoring
Soil	Volatile Organic Compounds Metals	Capped
Sediment	Volatile Organic Compounds Metals	Monitoring

FUNDING SOURCES	AMOUNT AUTHORIZED
Superfund	\$91,375,000
Spill Fund	\$944,000
1981 Bond Fund	\$4,963,000
1986 Bond Fund	\$3,440,000
Hazardous Discharge Site Cleanup Fund	\$3,337,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

The site was operated as a landfill from the early 1960s until 1981. The landfill accepted municipal refuse, dewatered sewage sludge, septic tank fluids, construction debris and liquid industrial wastes. In addition, the landfill is suspected of having accepted several million gallons of chemical wastes, including solvents and paints. Leachate from the landfill was observed discharging into Edwards Run, a tributary of Mantua Creek and the Delaware River.

In 1983, USEPA placed the landfill on the National Priorities List of Superfund sites and began a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination and identify cleanup alternatives. The RI/FS revealed that the landfill had contaminated the underlying Mount Laurel/Wenonah aquifer, and confirmed that leachate from the landfill was discharging into Edwards Run. It also determined that the landfill was emitting methane gas. In 1985, after completing the RI/FS, USEPA issued a Record of Decision (ROD) with NJDEP concurrence. The ROD required installation of a clay cap and a slurry wall, removal of material from the leachate ponds, and installation of collection and treatment systems to address the contaminated ground water, leachate and landfill gases. USEPA completed construction of the remedies specified in the ROD in 1994, and NJDEP assumed responsibility for operating and maintaining the ground water/leachate and landfill gas collection and treatment systems later that year. Over 120 million gallons of the landfill leachate have been treated as of June 1998. NJDEP is conducting environmental monitoring to evaluate the effectiveness of the remedial actions as part of the operations and maintenance of the site. A group of 233 Potentially Responsible Parties assumed responsibility for the site in September 1998 under a Judicial Consent Decree with NJDEP, and all subsequent remedial activities will be conducted under the supervision of NJDEP's Division of Responsible Party Site Remediation.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M
Sitewide				

Planned

Underway

Completed

Not Required

Jack's Auto Service Station

Sicklerville Road and Route 322

Monroe Township

Gloucester County

BLOCK: 1901 **LOT:** 1

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Auto Sales and Repair
OPERATION STATUS: Active

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Commercial

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Petroleum Hydrocarbons

STATUS

Removing

Soil

Volatile Organic Compounds
Petroleum Hydrocarbons

Confirmed

FUNDING SOURCES













1981 Bond Fund

AMOUNT AUTHORIZED

\$338,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Leaking underground storage tanks contaminated the soil and ground water at this former gas station. In 1990, the underground tanks were removed and ground water monitor wells were installed at the site. Sampling of the monitor wells revealed that free product gasoline was floating on the water table. In 1993, NJDEP installed a free-product recovery/ground water treatment system to remove the floating gasoline and prevent off-site migration of the highly contaminated ground water. Operation and maintenance of this system is ongoing, and recent sampling has indicated that it has been effective in removing the bulk of the free product from the water table. NJDEP initiated a Remedial Investigation (RI) in 1997 to determine the extent of the contamination in the soil and ground water.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Free Product Recovery System					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

Lipari Landfill

Route 322

Mantua Township

Gloucester County

BLOCK: 261 **LOT:** 7

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Landfill
OPERATION STATUS: Ceased

PROPERTY SIZE: 16 Acres

SURROUNDING LAND USE: Residential/Agricultural

MEDIA AFFECTED	CONTAMINANTS	STATUS
Ground Water	Organic Compounds Metals	Treating
Surface Water	Metals	Contained
Soil	Organic Compounds Metals	Capped
Sediment	Organic Compounds Metals	Treated/Removed

FUNDING SOURCES	AMOUNT AUTHORIZED
Superfund	\$106,007,000
Spill Fund	\$285,000
1981 Bond Fund	\$7,967,000
Hazardous Discharge Site Cleanup Fund	\$1,963,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Lipari Landfill was a sand and gravel pit that was converted into a solid waste disposal facility in the late 1950s. Domestic and industrial wastes were accepted at the facility until 1971. Thousands of drums and several hundred thousand gallons of hazardous chemical wastes were reportedly disposed of at the site. Landfill leachate contaminated the underlying Cohansey Aquifer, an adjacent marsh and streams. One of the streams discharged contamination from the landfill into nearby Alcyon Lake. USEPA added the site to the National Priorities List of Superfund sites (NPL) in 1983.

In 1982, USEPA issued a Record of Decision (ROD) with NJDEP concurrence which required installation of a landfill cap and slurry wall (Operable Unit 1). USEPA completed construction of the cap and slurry wall the following year. In 1985, after completing a Remedial Investigation/Feasibility study for the site, USEPA issued a second ROD with NJDEP concurrence to address the contaminated ground water and leachate that is contained in the landfill (Operable Unit 2). The ROD required installation of a system to flush the landfill with water to remove the contaminants, followed by extraction and on-site treatment of the generated leachate. USEPA completed construction of the landfill flushing system in 1992. Approximately 70 million gallons of leachate have been extracted and treated as of June 1998. USEPA expects to operate the landfill flushing system until 2000.

A third ROD, signed in 1988, required dredging of the adjacent streams, marsh and Alcyon Lake (Operable Unit 3). During this phase of the remedial action, contaminated sediments from the streams and marsh were thermally treated at the site, and the treated sediments and slightly contaminated sediments from Alcyon Lake were taken to an off-site permitted landfill. Alcyon Lake, which had been closed for recreation due to the contamination, was returned to public use in 1995. The Potentially Responsible Parties have conducted the work required by the third ROD and are awaiting USEPA's and NJDEP's approval of the completion of the project. The Potentially Responsible Parties have expended \$50,000,000 at this site.

PROJECT NAME	R/IFS	DESIGN	CONSTR	O&M	
Slurry Wall (OU1)					 Planned
On-Site Treatment System (OU2)					 Underway
Off-Site (OU3)					 Completed
					 Not Required

Matteo Iron and Metal

1708 Route 130

West Deptford Township

Gloucester County

BLOCK: 128 **LOT:** 2
325 2

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Scrap Metal Reclamation
OPERATION STATUS: Active

PROPERTY SIZE: 80 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Soil

Petroleum Hydrocarbons
Arsenic
Lead

Delineating

Ground Water

Petroleum Hydrocarbons
Lead

Delineating

Sediments

Petroleum Hydrocarbons
Lead

Delineating

FUNDING SOURCES

1986 Bond Fund

AMOUNT AUTHORIZED

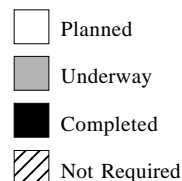
\$150,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A scrap metal recycling facility currently operates at the northeast portion of this site. Prior to its purchase by Matteo & Sons, the property was a farm. A branch of the Hessian Run flows through the site. NJDEP has conducted numerous site inspections dating back to the early 1970s. During these inspections it was noted that portions of the property had been used to landfill domestic and industrial waste. In addition, it has been reported that at one time the current operator recycled vehicle batteries and landfilled the battery casings near Hessian Run. Reviews of historical aerial photographs have confirmed that significant disturbances occurred at this area during the past. A site inspection conducted by NJDEP in 1991 revealed partially crushed 55-gallon drums containing various materials which appear to be waste petroleum product. Sampling has confirmed that the soil and ground water at the site and the sediments in Hessian Run are contaminated. NJDEP is conducting a Remedial Investigation (RI) to determine the nature and extent of the contamination.

PROJECT NAME RI/FS DESIGN CONSTR O&M

Sitewide



Washington Township Well # 18

Fries Mill Road

Washington Township

Gloucester County

BLOCK: 86 **LOT:** 7

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Municipal Well Field
OPERATION STATUS: Active

PROPERTY SIZE: 1 Acre

SURROUNDING LAND USE: Residential/Rural

MEDIA AFFECTED

Ground water

CONTAMINANTS

Tetrachloroethylene (PCE)

STATUS

Confirmed

FUNDING SOURCES









1986 Bond Fund

AMOUNT AUTHORIZED

\$490,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

To reduce demand on the Potomac-Raritan-Magothy Aquifer, a listed critical aquifer, the Washington Township Municipal Utilities Authority (MUA) constructed Well #18 in 1996. While aquifer testing prior to construction did not reveal any contamination, samples collected after construction indicated the presence of tetrachloroethylene (PCE) above New Jersey Drinking Water Standards. In March 1998, NJDEP and the Washington Township MUA entered into an Administrative Consent Order in which the MUA agreed to design and install an air stripper to treat the contaminated water from the well. The project is being paid for with Bond Fund money provided by NJDEP. The design of air stripper is underway and expected to be completed in December 1998.

PROJECT NAME	RI/FS	DESIGN	CONSTR	O&M	
Receptor Control (Air Stripper)					 Planned
					 Underway
					 Completed
					 Not Required